BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYAANAPURA DIVISION

Project: Improvements to Roads and Drains at MCEHS Layout 1st and 2nd Phase, Sampigehalli, Chokkanahalli, Balaji Krupa Layout, Basavalingappa Nagara, Central Excise Layout, Bellahalli and Kattigenahalli in Ward no 05 and Kaveri Nagara and Shiridi Sai Nagara in Ward no 6 and Surrounding areas in Byatarayanapura Division. (Package-01)

								Project Cost	1000.00 Lakhs
Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1)								
	New Drain								
	MCHS Layout		1	144.00	1.20	1.20	207.36		
	New Culvert								
	MCEHS Layout								
	Culvert		3	8.01	1.40	0.90	30.29		
	Drain Desilting MCEHS Layout								
	4th crs		2	68.12	0.70	0.50	47.68		
	5th crs		2	56.55	0.60	0.45	30.54		
	6th crs		2	88.61	0.60	0.50	53.16		
	2nd crs		2	106.52	0.60	0.45	57.52		
	3rd crs		2	65.73	0.70	0.50	46.01		
	Conncecting road		2	82.55	0.60	0.50	49.53		
	Vinayak Nagar								
	Frrom 6th crs to 8th crs		2	63.31	0.60	0.60	45.59		
	New Drain								
	Telecom Layout		2	43.75	1.20	0.90	94.38		
	New Culvert								
	Telecom Layout & Royal Enclave								
	Culvert		2	11.84	1.40	1.21	40.12		
	Drain Desilting								
	Royal Enclave								
	1st main road		2	160.70	0.60	0.50	96.42		
	2nd main road		2	145.03	0.60	0.50	87.02		
	5th crs road		2	236.41	0.60	0.50	141.85		
	Manjunath Layout								
	Cross Road 1		2	143.16	0.60	0.50	85.89		
	Cross Road 2		2	81.84	0.60	0.50	49.11		
	Cross Road 3		2	116.02	0.60	0.50	69.61		
	Drain Desilting								
	Basavalingappa Nagara								
	5th B Cross Road		2	135.52	0.70	0.55	104.35		
	4th B Cross Road		2	141.23	0.70	0.60	118.63		
	1st B cross		2	55.89	0.75	0.50	41.92		

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	RO Plant road		2	84.18	0.70	0.60	70.71		
	3rd B cross road		2	88.36	0.70	0.50	61.85		
	3rd A cross road		1	53.68	0.60	0.50	16.10		
	2nd B cross road		2	65.28	0.70	0.50	45.69		
	2nd A cross		1	55.53	0.70	0.55	21.38		
	6th B cross		2	154.38	0.65	0.60	120.41		
	Main Road		2	131.34	0.60	0.60	94.56		
	1st A cross		2	51.85	0.70	0.55	39.92		
	6th A cross		2	56.90	0.70	0.50	39.83		
	5th A cross		1	50.09	0.70	0.50	17.53		
	Culverts		12	6.94	0.60	0.60	30.00		
	New Drain								
	Basavalingappa Nagara		2	84.50	1.05	0.89	157.08		
	New Culvert								
	Basavalingappa Nagara		1	4.10	1.40	0.75	4.31		
	New Drain								
	Kattigenahalli		2	91.73	1.20	0.90	198.48		
	Bhagat Enclave		1	50.30	1.20	0.90	54.42		
	New Culvert								
	Kattigenahalli		6	7.68	1.40	1.00	64.46		
	Kaveri Layout								
	1st Cross Road		1	144.18	0.45	0.45	29.20		
	3rd Cross Road		1	181.76	0.45	0.45	36.81		
	4th Cross Road LHS Road		2	149.73	0.45	0.45	60.64		
	4th Cross Road RHS Road		2	193.93	0.45	0.45	78.54		
	End Portion		1	24.74	0.45	0.45	5.01		
	Shiridi Sai Nagara								
	3rd Cross Road		2	397.20	0.45	0.60	214.49		
	Prashantinagar		1	196.20	0.45	0.45	39.73		
	Hegde nagar								
	8th cross		2	99.00	0.45	0.60	53.46		
	7th cross		2	96.69	0.45	0.60	52.21		
	6th crs		2	115.00	0.45	0.60	62.10		
	New Drain								
	Kaverina Nagara 4th cross		1	38.90	1.20	0.90	42.01		
	Schedule B rate	**321.40**							
		Cum				Total	**3207.92**		
					Schedule B Qty		**1819.26**	**321.40**	584710.16
					Upto 125%		**454.82**	**321.40**	146177.54
					Above 125%		**933.85**	**321.39**	300130.76
2	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)								
	Kaveri Layout								
	1st Cross Road		1	158.40	0.90		142.56		
	3rd Cross Road		1	97.50	0.90		87.75		
	4th Cross Road LHS Road		2	117.05	0.90		210.69		
	4th Cross Road RHS Road		2	111.90	0.90		201.42		
	End Portion		1	25.20	0.90		22.68		
	Shiridi Sai Nagara								
	3rd Cross Road		2	324.03	0.90		583.26		
	Prashantinagar		1	75.00	0.90		67.50		
	Hegde nagar								
	8th cross		2	99.00	0.90		178.20		
	7th cross		2	96.69	0.90		174.04		
	6th crs		2	115.00	0.90		207.00		

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	Royal Enclave								
	1st main road		2	184.48	0.90		332.06		
	2nd main road		2	123.45	0.90		222.21		
	Manjunath Layout								
	Cross Road 1		2	122.50	0.90		220.50		
	Cross Road 3		2	104.62	0.90		188.31		
	Schedule B rate	225.80							
		Sqm			Total		2838.18		
					Schedule B Qty		1920.79	225.80	433714.38
					Upto 125%		480.20	225.80	108428.60
					Above 125%		437.19	225.86	98742.96
3	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete. as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)								
		Sqm							
	Provide 30% new BS Slab			From item no.01			1238.15		
	Sub Total						1238.15		
	1st Cross Road		1	158.40	0.90		142.56		
	3rd Cross Road		1	97.50	0.90		87.75		
	4th Cross Road LHS Road		2	117.05	0.90		210.69		
	4th Cross Road RHS Road		2	111.90	0.90		201.42		
	End Portion		1	25.20	0.90		22.68		
	Shiridi Sai Nagara								
	3rd Cross Road		2	324.03	0.90		583.26		
	Prashantinagar		1	75.00	0.90		67.50		
	Consider 10%						131.59		
	Schedule B Rate	804.40							
					Total		1369.74		
					Schedule B Qty		1358.86	804.40	1093066.98
					Upto 125%		10.88	804.40	8748.25
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	New Drain								
	MCHS Layout		1	144.00	1.20	0.15	25.92		
	New Culvert	Cum							
	MCEHS Layout								
	Culvert		3	8.01	1.40	0.15	5.05		
	New Drain								
	Telecom layout		2	43.75	1.20	0.15	15.75		
	New Culvert								
	Telecom layout	Cum	2	11.84	1.40	0.15	4.97		
	New Drain	Cum							
	Basavalingappa Nagara		2	84.50	1.05	0.15	26.62		
	New Culvert	Cum							
	Basavalingappa Nagara		1	4.10	1.40	0.15	0.86		
	For Drain	Cum							

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New Drain								
Kattigenahalli		2	91.73	1.20	0.15	33.02		
Bhagat Enclave		1	50.30	1.20	0.15	9.05		
New Culvert	Cum							
Kattigenahalli		6	7.68	1.40	0.15	9.68		
New Drain								
4th Cross Kaveri Nagar		1	38.90	1.20	0.15	7.00		
Schedule B Rate	6080.20							
			Total			137.93		
			Schedule B Qty			93.56	6080.20	568863.51
			Upto 125%			23.39	6080.20	142215.88
			Above 125%			20.98	6081.07	127561.89

5 Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)

Drain								
Bottom Raft								
New Drain								
MCHS Layout		1	144.00	0.90	0.15	19.44		
Side Walls								
MCHS Layout		2	144.00	0.15	0.90	38.88		
				Sub Total		58.32		
New Culvert Raft								
MCEHS Layout								
Culvert		3	8.01	1.12	0.15	4.04		
Side Walls								
MCEHS Layout								
Culvert		6	8.01	0.23	0.60	6.73		
				Sub Total		10.77		
Drain								
Bottom Raft								
New Drain								
Telecom layout		2	43.75	0.90	0.15	11.81		
Side Walls								
Telecom layout		4	43.75	0.15	0.60	15.75		
				Sub Total		27.56		
New Culvert Raft								
Telecom layout								
Culvert		2	11.84	1.14	0.15	4.05		
Side Walls								
Telecom layout								
Culvert		4	11.84	0.30	0.64	9.07		
				Sub Total		13.11		
Drain								
Bottom Raft								
New Drain								
Basavalingappa Nagara		2	84.50	0.75	0.15	19.01		
Side Walls								

Basavalingappa Nagara		4	84.50	0.15	0.59	29.67		
				Sub Total		**48.68**		
New Culvert Raft								
New Culvert								
Basavalingappa Nagara								
Culvert		1	4.10	1.10	0.15	0.68		
Side Walls								
Basavalingappa Nagara								
Culvert		2	4.10	0.25	0.45	0.92		
				Sub Total		**1.60**		
Kattigenahalli								
Bottom Raft								
New Drain								
Kattigenahalli		2	91.73	0.90	0.15	24.77		
Bhagat Enclave		1	50.30	0.90	0.15	6.79		
Side Walls								
Kattigenahalli		4	91.73	0.15	0.60	33.02		
Bhagat Enclave		2	50.30	0.15	0.60	9.02		
				Sub Total		**73.60**		
New Culvert								
Kattigenahalli		6	7.68	1.11	0.15	7.71		
Side Walls								
Kattigenahalli		12	7.68	0.20	0.60	10.97		
				Sub Total		**18.68**		
Drain								
Bottom Raft								
New Drain								
4th Cross Kaveri Nagar		1	38.90	0.90	0.15	5.25		
Side Walls								
New Drain								
4th Cross Kaveri Nagar		2	38.90	0.15	0.60	7.04		
				Sub Total		**12.29**		
Schedule B Rate	6943.20							
	Cum			Total		**264.61**		
				Schedule B Qty		**228.32**	6943.20	1585271.42
				Upto 125%		**36.29**	6943.20	251989.19

6 Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)

For Drain	Cum					58.32		
	kg	Steel assumed 60Kg/Cum of Concrete				3499.20		
	tonne					**3.50**		
For Culvert	Cum					10.77		
	kg	Steel assumed 90 Kg/Cum of Concrete				968.87		
	tonne					**0.97**		
For Drain	Cum					27.56		
	kg	Steel assumed 60Kg/Cum of Concrete				1653.75		
	tonne					**1.65**		
For Culvert	Cum					13.11		

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	kg	Steel assumed 90 Kg/Cum of Concrete				1180.07		
	tonne					1.18		
For Drain	Cum					48.68		
	kg	Steel assumed 60Kg/Cum of Concrete				2920.90		
	tonne					2.92		
For Culvert	Cum					1.60		
	kg	Steel assumed 90 Kg/Cum of Concrete				143.91		
	tonne					0.14		
For Drain	Cum					73.60		
	kg	Steel assumed 60Kg/Cum of Concrete				4416.06		
	tonne					4.42		
For Culvert	Cum					18.68		
	kg	Steel assumed 90 Kg/Cum of Concrete				1681.48		
	tonne					1.68		
For Drain	Cum					12.29		
	kg	Steel assumed 60Kg/Cum of Concrete				737.31		
	tonne					0.74		
Schedule B Rate	109229.10							
				Total		17.20		
				Schedule B Qty		15.03	109229.10	1641713.37
				Upto 125%		2.17	109229.10	237196.98

7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @.70 mixed including providing and removing centering, shuttering, shuttering propping etc. for edges of slabs with TMT (Fe500) COM, labor, labor, all Lead and Lift, HOM, Curing, including Cost of reinf. Etc, Complete as directed by the Engineer In charge of Work (Data Rate)								
	New Drain Cover Slab								
	New Drain								
	MCHS Layout		1	144.00	0.90		129.60		
	New Drain Cover Slab								
	New Drain								
	Telecom layout		2	43.75	0.90		78.75		
	New Drain Cover Slab								
	New Drain								
	Basavalingappa Layout		2	59.10	0.90		106.38		
			2	19.49	0.75		29.24		
	New Drain Cover Slab								
	New Drain								
	Kattigenahalli		2	91.73	0.90		165.11		
	Bhagat Enclave		1	50.30	0.90		45.27		
	New Drain Cover Slab								
	New Drain								
	Kaveri Nagar 4th cross		1	38.90	0.90		35.01		
	Schedule B Rate	1991.20							

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		Sqm			Total		589.35		
					Schedule B Qty		493.92	1991.20	983493.50
					Upto 125%		95.43	1991.20	190020.22
8	Providing and Fixing pre cast covering Slab 230mm thick made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge								
	Culvert Cover Slab								
	New Culvert								
	MCEHS Layout								
	Culvert		3	7.48	1.20		26.94		
	New Culvert								
	Telecom layout								
	Culvert		3	11.38	1.50		51.21		
	Basavalingappa Nagara								
	Culvert		18	4.97	1.50		134.19		
	Culvert Cover Slab								
	Kattigenahalli		6	7.24	1.20		52.14		
	Schedule B Rate	4840.60							
		Sqm			Total		264.48		
					Schedule B Qty		115.20	4840.60	557637.12
					Upto 125%		28.80	4840.60	139409.28
					Above 125%		120.48	4841.06	583250.99
9	Removing and refixing stone slabs of drains and pointing in CM (1:3) (PWD SR 2018-2019 P.No-27,I No-5.33)								
	BS Slab of Drain								
	Open Drain (Sides & Bottom)		Width=Perimeter of Drain in U Shape						
	Basavalingappa Layout								
	5th B Cross Road		2	135.52	2.27		614.31		
	4th B Cross Road		2	141.23	2.24		634.00		
	1st B cross		2	55.89	2.19		244.30		
	3rd B cross road		2	88.36	1.68		296.46		
	3rd A cross road		1	53.68	1.82		97.60		
	2nd B cross road		2	65.28	1.89		246.75		
	2nd A cross		1	55.53	2.09		116.10		
	6th B cross		2	154.38	2.40		740.63		
	Main Road		2	131.34	2.23		585.99		
	1st A cross		2	51.85	2.22		230.32		
	6th A cross		2	56.90	1.92		218.72		
	5th A cross		1	50.09	2.04		102.00		
					Total		4127.17		
	Deduct 30% for Missing/Damaged						1238.15		
	Schedule B Rate	107.00							

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	Sqm		Total			2889.02		
			Schedule B Qty			2849.31	107.00	304876.17
			Upto 125%			39.71	107.00	4248.49
	Road Works							
10	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. (PWD SR 21-22 Vol I Pg no 8 Item No 1.12)							
	Cum							
Dwaraka nagar bagalur cross								
2nd Cross Road		1	176.80	3.93	0.25	173.67		
1st Cross Road		1	33.50	3.10	0.25	25.93		
Cross Road		1	54.00	6.18	0.25	83.42		
Kattigenahalli Cross road 1		1	33.20	5.80	0.25	48.15		
Kattigenahalli Cross road 2		1	42.20	4.66	0.25	49.13		
Vinayaka nagar bagalur cross								
Cross Road		1	79.55	5.26	0.23	96.20		
Shiva temple road								
L Type road-1		1	131.80	5.16	0.23	156.45		
L Type road-2		1	97.75	5.94	0.23	133.45		
Kuvempu Nagar Road Cut Portuin								
Road		1	503.40	6.19	0.23	717.05		
MCEHS Layout								
1st Connecting road		1	94.20	5.51	0.23	119.41		
2nd Cross Road		1	125.50	5.69	0.23	164.28		
3rd Cross Road		1	81.90	7.56	0.23	142.37		
4th Cross Road		1	75.60	7.68	0.23	133.47		
5th Cross Road		1	68.00	7.38	0.23	115.36		
6th Cross Road		1	108.10	5.58	0.23	138.62		
Beside Jakkur Govt. School								
Road cutting portions		1	1.85	1.58	0.23	0.67		
		1	2.30	1.55	0.23	0.82		
		1	1.50	1.33	0.23	0.46		
		1	1.75	1.55	0.23	0.62		
		1	1.50	1.65	0.23	0.57		
Pipe line cutting		8	0.75	4.40	0.23	6.07		
Manjunath Layout Road								
1st Cross Road		1	122.50	6.34	0.23	178.58		
2nd Cross Road		1	132.00	6.81	0.23	206.67		
3rd Cross Road		1	123.75	7.12	0.23	202.59		
Kalidasa layout								
1st Road		1	27.90	5.37	0.23	34.48		
2nd Road		1	115.20	6.10	0.23	161.70		
Bhagat singh enclave								
LHS Road 1		1	94.80	6.13	0.23	133.74		

Royal Enclave								
1st main road		1	248.95	8.63	0.23	494.33		
2nd main road		1	151.20	5.85	0.23	203.38		
5th cross road		1	287.80	5.72	0.23	378.87		
Dead end road		1	176.70	5.73	0.23	233.01		
Basavalingappa Nagara								
2nd Cross Road LHS		1	70.50	4.99	0.23	80.88		
2nd Cross Road RHS		1	64.50	5.18	0.23	76.83		
3rd B Cross Road		1	82.35	5.05	0.23	95.68		
3rd A Cross Road		1	61.00	5.05	0.23	70.87		
5th B Cross Road								
		1	2.00	1.80	0.23	0.83		
		1	1.60	1.65	0.23	0.61		
		1	1.05	1.20	0.25	0.32		
		1	1.65	1.65	0.23	0.63		
		1	1.25	1.35	0.23	0.39		
		1	1.35	0.60	0.20	0.16		
		1	1.65	1.55	0.23	0.59		
		1	1.05	1.65	0.25	0.43		
		11	0.75	4.60	0.23	8.73		
4th B Cross Road								
		1	2.00	1.80	0.23	0.83		
		1	1.60	1.65	0.25	0.66		
		1	0.90	1.20	0.23	0.25		
		1	1.65	1.65	0.20	0.54		
		1	1.35	1.35	0.23	0.42		
		1	0.90	0.60	0.25	0.14		
		1	1.65	1.55	0.23	0.59		
		1	0.90	1.80	0.23	0.37		
		12	0.60	4.50	0.20	6.48		
Main Road								
		1	2.00	1.65	0.23	0.76		
		1	1.35	1.50	0.23	0.47		
		1	1.35	1.20	0.23	0.37		
		1	1.25	1.55	0.23	0.45		
		1	1.05	1.65	0.23	0.40		
		7	0.90	4.30	0.23	6.23		
1st Cross Road LHS		1	69.80	7.77	0.23	124.67		
1st Cross Road RHS								
		1	1.95	1.65	0.23	0.74		
		1	1.45	1.53	0.25	0.55		
		1	1.35	1.20	0.23	0.37		
		1	1.65	1.55	0.25	0.64		
		1	1.05	1.65	0.23	0.40		
		8	0.75	4.30	0.23	5.93		
Ro Plant road								
		1	1.50	1.50	0.23	0.52		
		1	1.60	1.65	0.20	0.53		
		1	0.90	1.20	0.23	0.25		
		1	1.65	1.65	0.23	0.63		
		1	2.00	1.80	0.25	0.90		
		10	0.90	5.50	0.23	11.39		
6th B cross								
		1	1.95	1.65	0.23	0.74		
		1	1.45	1.53	0.23	0.51		
		1	1.35	1.20	0.20	0.32		
		1	1.65	1.65	0.23	0.63		
		1	1.30	1.35	0.25	0.44		

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		1	1.35	0.60	0.23	0.19		
		1	1.65	1.55	0.23	0.59		
		1	1.05	1.65	0.20	0.35		
		16	0.75	4.30	0.23	11.87		
Beside Mazid		1	61.60	5.44	0.23	77.04		
CC Road Resurfacing								
Cross Road 1		1	94.80	1.25	0.23	27.27		
Cross Road 2		1	93.80	1.23	0.23	26.59		
Cross Road 3		1	64.00	1.25	0.23	18.44		
Cross Road 4		1	23.80	1.48	0.23	8.07		
Cross Road 5		1	57.00	2.96	0.23	38.74		
Cross Road 6		1	27.90	2.33	0.23	14.95		
Cross Road 7		1	77.00	1.25	0.23	22.20		
Cross Road 8		1	24.20	1.49	0.23	8.30		
Cross Road 9		1	23.90	1.53	0.23	8.43		
Telecom Layout		1	59.60	7.00	0.23	95.97		
Kattigenahalli								
Cross Road 1		1	67.75	1.47	0.20	19.91		
Cross Road 2		1	74.70	1.52	0.20	22.72		
Cross Road 3		1	154.90	1.43	0.20	44.40		
Cross Road 4		1	25.00	2.73	0.20	13.63		
Cross Road 5		1	123.40	1.35	0.20	33.27		
Cross Road 6		1	69.20	1.39	0.20	19.23		
Cross Road 7		1	23.30	1.12	0.20	5.20		
Cross Road 8		1	59.80	3.48	0.20	41.63		
Reva College Road								
		1	339.20	5.65	0.23	440.44		
BSF STF Layout								
Shiridi Sai Baba temple road		1	110.80	6.54	0.23	166.67		
Reva College Roads								
Cross road 1		1	76.40	5.00	0.23	87.86		
Cross road 2		1	75.80	5.95	0.23	103.82		
Cross road 3		1	112.20	4.90	0.23	126.45		
Dutta Township								
1st Cross Road		1	131.30	6.13	0.23	184.97		
2nd Cross Road		1	129.10	6.13	0.23	181.87		
Kaveri Layout								
1st Cross Road		1	173.40	5.01	0.23	199.81		
3rd Cross Road		1	191.60	4.66	0.23	205.30		
4th Cross Road LHS Road		1	148.50	3.66	0.23	125.07		
4th Cross Road RHS Road		1	159.50	3.97	0.23	145.71		
End Portion & Front		2	16.95	5.78	0.23	45.10		
Approach Road to 3rd Cross Road		1	18.10	5.56	0.23	23.16		
Shiridi Sai Nagara								
3rd Cross Road		1	443.50	6.21	0.23	633.09		
Prashanti nagar		1	217.00	6.14	0.23	306.51		
Hegde nagar								
7th cross		1	99.00	6.00	0.23	136.62		
8th cross		1	96.69	6.00	0.23	133.43		
6th Cross		1	115.00	7.20	0.23	190.44		
Schedule B Rate	274.80							
Total			Total			9034.82		
			Schedule B Qty			9029.56	274.80	2481323.09
			Upto 125%			5.26	274.80	1445.54

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11	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density MORTH Specification No. 406 (PWD SR 21 22 Vol III Pg no 24 Item No 4.27 (A))							
		Cum						
	Vinayaka nagar bagalur cross							
	Cross Road		1	79.55	5.26	0.23	96.20	
	Shiva temple road							
	L Type road-1		1	131.80	5.16	0.23	156.45	
	L Type road-2		1	97.75	5.94	0.23	133.45	
	Kuvempu Nagar							
	Road		1	503.40	6.19	0.23	717.05	
	MCEHS Layout							
	1st Connecting road		1	94.20	5.51	0.23	119.41	
	2nd Cross Road		1	125.50	5.69	0.23	164.28	
	3rd Cross Road		1	81.90	7.56	0.23	142.37	
	4th Cross Road		1	75.60	7.68	0.23	133.47	
	5th Cross Road		1	68.00	7.38	0.23	115.36	
	6th Cross Road		1	108.10	5.58	0.23	138.62	
	Beside Jakkur Govt. School							
	Road cutting portions		1	1.85	1.58	0.23	0.67	
			1	2.30	1.55	0.23	0.82	
			1	1.50	1.33	0.23	0.46	
			1	1.75	1.55	0.23	0.62	
			1	1.50	1.65	0.23	0.57	
	Pipe line cutting		8	0.75	4.40	0.23	6.07	
	Manjunath Layout Road							
	1st Cross Road		1	122.50	6.34	0.23	178.58	
	2nd Cross Road		1	132.00	6.81	0.23	206.67	
	3rd Cross Road		1	123.75	7.12	0.23	202.59	
	Kalidasa layout							
	1st Road		1	27.90	5.37	0.23	34.48	
	2nd Road		1	115.20	6.10	0.23	161.70	
	Bhagat singh enclave							
	LHS Road 1		1	94.80	6.13	0.23	133.74	
	Royal Enclave							
	1st main road		1	248.95	8.63	0.23	494.33	
	2nd main road		1	151.20	5.85	0.23	203.38	
	5th cross road		1	287.80	5.72	0.23	378.87	
	Dead end road		1	176.70	5.73	0.23	233.01	
	Basavalingappa Nagara							
	2nd Cross Road LHS		1	70.50	4.99	0.23	80.88	
	2nd Cross Road RHS		1	64.50	5.18	0.23	76.83	
	3rd B Cross Road		1	82.35	5.05	0.23	95.68	
	3rd A Cross Road		1	61.00	5.05	0.23	70.87	
	5th B Cross Road							
	Road cutting portions		1	2.00	1.80	0.23	0.83	
			1	1.60	1.65	0.23	0.61	
			1	1.05	1.20	0.25	0.32	
			1	1.65	1.65	0.23	0.63	

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		1	1.25	1.35	0.23	0.39		
		1	1.35	0.60	0.20	0.16		
		1	1.65	1.55	0.23	0.59		
		1	1.05	1.65	0.25	0.43		
Pipe line cutting		11	0.75	4.60	0.23	8.73		
4th B Cross Road								
Road cutting portions		1	2.00	1.80	0.23	0.83		
		1	1.60	1.65	0.25	0.66		
		1	0.90	1.20	0.23	0.25		
		1	1.65	1.65	0.20	0.54		
		1	1.35	1.35	0.23	0.42		
		1	0.90	0.60	0.25	0.14		
		1	1.65	1.55	0.23	0.59		
		1	0.90	1.80	0.23	0.37		
Pipe line cutting		12	0.60	4.50	0.20	6.48		
Main Road								
Road cutting portions		1	2.00	1.65	0.23	0.76		
		1	1.35	1.50	0.23	0.47		
		1	1.35	1.20	0.23	0.37		
		1	1.25	1.55	0.23	0.45		
		1	1.05	1.65	0.23	0.40		
		7	0.90	4.30	0.23	6.23		
Pipe line cutting								
1st Cross Road LHS		1	69.80	7.77	0.23	124.67		
1st Cross Road RHS								
Road cutting portions		1	1.95	1.65	0.23	0.74		
		1	1.45	1.53	0.25	0.55		
		1	1.35	1.20	0.23	0.37		
		1	1.65	1.55	0.25	0.64		
		1	1.05	1.65	0.23	0.40		
		8	0.75	4.30	0.23	5.93		
Pipe line cutting								
Ro Plant road		1	1.50	1.50	0.23	0.52		
Road cutting portions		1	1.60	1.65	0.20	0.53		
		1	0.90	1.20	0.23	0.25		
		1	1.65	1.65	0.23	0.63		
		1	2.00	1.80	0.25	0.90		
		10	0.90	5.50	0.23	11.39		
Pipe line cutting								
6th B cross		1	1.95	1.65	0.23	0.74		
Road cutting portions		1	1.45	1.53	0.23	0.51		
		1	1.35	1.20	0.20	0.32		
		1	1.65	1.65	0.23	0.63		
		1	1.30	1.35	0.25	0.44		
		1	1.35	0.60	0.23	0.19		
		1	1.65	1.55	0.23	0.59		
		1	1.05	1.65	0.20	0.35		
		16	0.75	4.30	0.23	11.87		
Pipe line cutting		1	61.60	5.44	0.23	77.04		
Beside Mazid								
		1	59.60	7.00	0.15	62.59		
Telecom Layout								
Reva College Road		1	339.20	5.65	0.23	440.44		
BSF STF Layout								
Shiridi Sai Baba temple road		1	110.80	6.54	0.23	166.67		
Reva College Roads								
Cross road 1		1	76.40	5.00	0.23	87.86		

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Cross road 2		1	75.80	5.95	0.23	103.82		
Cross road 3		1	112.20	4.90	0.23	126.45		
Dutta Township								
1st Cross Road		1	131.30	6.13	0.23	184.97		
2nd Cross Road		1	129.10	6.13	0.23	181.87		
Kaveri Layout								
1st Cross Road		1	173.40	5.01	0.23	199.81		
3rd Cross Road		1	191.60	4.66	0.23	205.30		
4th Cross Road LHS Road		1	148.50	3.66	0.23	125.07		
4th Cross Road RHS Road		1	159.50	3.97	0.23	145.71		
End Portion & Front		2	16.95	5.78	0.23	45.10		
Approach Road to 3rd Cross Road		1	18.10	5.56	0.23	23.16		
Shiridi Sai Nagara		1	443.50	6.21	0.23	633.09		
3rd Cross Road		1	217.00	6.14	0.23	306.52		
Prashanti nagar								
Hegde nagar		1	99.00	6.00	0.23	136.62		
7th cross		1	96.69	6.00	0.23	133.43		
8th cross		1	115.00	7.20	0.23	190.44		
6th Cross								
Schedule B Rate	2530.70			Total		8248.18		
	Cum			Schedule B Qty		7845.88	2530.70	19855568.52
				Upto 125%		402.30	2530.70	1018110.57

12 Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means MORTH Specification No. 502 (PWD SR 21-22 Vol III Pg no 29 Item No 5.1 A (i))

	Sqm							
Vinayaka nagar bagalur cross		1	79.55	5.26		418.26		
Cross Road								
Shiva temple road		1	131.80	5.16		680.22		
L Type road-1		1	97.75	5.94		580.23		
L Type road-2								
Kuvempu Nagar		1	503.40	6.19		3117.62		
Road								
MCEHS Layout		1	94.20	5.51		519.19		
1st Connecting road		1	125.50	5.69		714.25		
2nd Cross Road		1	81.90	7.56		618.98		
3rd Cross Road		1	75.60	7.68		580.29		
4th Cross Road		1	68.00	7.38		501.57		
5th Cross Road		1	108.10	5.58		602.71		
6th Cross Road		2	2.82	1.50		8.47		
Extra road								
Beside Jakkur Govt. School		1	1.85	1.58		2.91		
Road cutting portions		1	2.3	1.55		3.57		
		1	1.5	1.33		1.99		
		1	1.75	1.55		2.71		
		1	1.5	1.65		2.48		
		8	0.75	4.40		26.40		
Pipe line cutting								
Manjunath Layout Road								

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1st Cross Road		1	122.50	6.34		776.43		
2nd Cross Road		1	132.00	6.81		898.56		
3rd Cross Road		1	123.75	7.12		880.83		
Kalidasa layout								
1st Road		1	27.90	5.37		149.91		
2nd Road		1	115.20	6.10		703.04		
Extra road		1	3.20	1.00		3.20		
Bhagat singh enclave								
LHS Road 1		1	94.80	6.13		581.47		
Extra road		5	2.86	2.50		35.71		
Royal Enclave								
1st main road		1	248.95	8.63		2149.25		
2nd main road		1	151.20	5.85		884.26		
5th cross road		1	287.80	5.72		1647.24		
Dead end road		1	176.70	5.73		1013.10		
Basavalingappa Nagara								
2nd Cross Road LHS		1	70.50	4.99		351.64		
2nd Cross Road RHS		1	64.50	5.18		334.02		
3rd B Cross Road		1	82.35	5.05		416.01		
3rd A Cross Road		1	61.00	5.05		308.11		
5th B Cross Road								
Road cutting portions		1	2.00	1.80		3.60		
		1	1.60	1.65		2.64		
		1	1.05	1.20		1.26		
		1	1.65	1.65		2.72		
		1	1.25	1.35		1.69		
		1	1.35	0.60		0.81		
		1	1.65	1.55		2.56		
		1	1.05	1.65		1.73		
		11	0.75	4.60		37.95		
Pipe line cutting								
4th B Cross Road		1	2.00	1.80		3.60		
Road cutting portions		1	1.60	1.65		2.64		
		1	0.90	1.20		1.08		
		1	1.65	1.65		2.72		
		1	1.35	1.35		1.82		
		1	0.90	0.60		0.54		
		1	1.65	1.55		2.56		
		1	0.90	1.80		1.62		
		12	0.60	4.50		32.40		
Pipe line cutting								
Main Road		1	2.00	1.65		3.30		
Road cutting portions		1	1.35	1.50		2.03		
		1	1.35	1.20		1.62		
		1	1.25	1.55		1.94		
		1	1.05	1.65		1.73		
		7	0.90	4.30		27.09		
Pipe line cutting								
		1	69.80	7.77		542.03		
1st Cross Road LHS								
1st Cross Road RHS		1	1.95	1.65		3.22		
		1	1.45	1.53		2.21		
		1	1.35	1.20		1.62		
		1	1.65	1.55		2.56		
		1	1.05	1.65		1.73		
		8	0.75	4.30		25.80		
Ro Plant road								
Road cutting portions		1	1.50	1.50		2.25		

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		1	1.60	1.65		2.64		
		1	0.90	1.20		1.08		
		1	1.65	1.65		2.72		
		1	2.00	1.80		3.60		
Pipe line cutting		10	0.90	5.50		49.50		
6th B cross								
Road cutting portions		1	1.95	1.65		3.22		
		1	1.45	1.53		2.21		
		1	1.35	1.20		1.62		
		1	1.65	1.65		2.72		
		1	1.30	1.35		1.76		
		1	1.35	0.60		0.81		
		1	1.65	1.55		2.56		
		1	1.05	1.65		1.73		
Pipe line cutting		16	0.75	4.30		51.60		
Beside Mazid		1	61.60	5.44		334.96		
Reva College Road		1	339.20	5.65		1914.98		
BSF STF Layout								
Shiridi Sai Baba temple road		1	110.80	6.54		724.64		
Reva College Roads								
Cross road 1		1	76.40	5.00		382.00		
Cross road 2		1	75.80	5.95		451.38		
Cross road 3		1	112.20	4.90		549.78		
Dutta Township								
1st Cross Road		1	131.30	6.13		804.21		
2nd Cross Road		1	129.10	6.13		790.74		
Kaveri Layout								
1st Cross Road		1	173.40	5.01		868.73		
3rd Cross Road		1	191.60	4.66		892.60		
4th Cross Road LHS Road		1	148.50	3.66		543.80		
4th Cross Road RHS Road		1	159.50	3.97		633.54		
End Portion & Front		2	16.95	5.78		196.10		
Approach Road to 3rd Cross Road		1	18.10	5.56		100.68		
Shiridi Sai Nagara								
3rd Cross Road		1	443.50	6.46		2865.32		
Prashanti nagar		1	217.00	6.14		1332.71		
Hegde nagar								
7th cross		1	99.00	6.00		594.00		
8th cross		1	96.69	6.00		580.14		
6th Cross		1	115.00	7.20		828.00		
Schedule B Rate	46.50							
	Sqm		Total			35753.73		
			Schedule B Qty			35386.52	46.50	1645473.18
			Upto 125%			367.21	46.50	17075.13

13 Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.(V-III, P.No-29,I No-5.3(i) of PWD SR 2021-22).

	Sqm							
Vinayaka nagar bagalur cross								
Cross Road		1	79.55	5.26		418.26		
Kuvempu Nagar								
Road		1	503.40	6.19		3117.62		

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MCHS Layout								
1st Connecting road		1	94.20	5.51		519.19		
3rd Cross Road		1	81.90	7.56		618.98		
4th Cross Road		1	75.60	7.68		580.29		
5th Cross Road		1	68.00	7.38		501.57		
6th Cross Road		1	108.10	5.58		602.71		
Extra road		2	2.82	1.50		8.47		
Beside Jakkur Govt. School		1	215.40	6.15		1324.71		
Manjunath Layout Road								
1st Cross Road		1	122.50	6.34		776.43		
2nd Cross Road		1	132.00	6.81		898.56		
3rd Cross Road		1	123.75	7.12		880.83		
Kalidasa layout								
1st Road		1	27.90	5.37		149.91		
2nd Road		1	115.20	6.10		703.04		
Extra road		1	3.20	1.00		3.20		
Bhagat singh enclave								
LHS Road 1		1	94.80	6.13		581.47		
Extra road		5	2.86	2.50		35.71		
Royal Enclave								
1st main road		1	248.95	8.63		2149.25		
2nd main road		1	151.20	5.85		884.26		
5th cross road		1	287.80	5.72		1647.24		
Dead end road		1	176.70	5.73		1013.10		
Basavalingappa Nagara								
5th B Cross Road		1	173.80	4.65		808.54		
4th B Cross Road		1	171.45	4.21		722.45		
Main Road		1	103.90	8.36		868.92		
1st Cross Road RHS		1	63.10	5.91		372.77		
Ro Plant road		1	153.30	5.60		859.03		
6th B cross		1	197.50	4.25		840.06		
Beside Mazid		1	61.60	5.45		335.60		
Reva College Road		1	339.20	5.65		1914.98		
Shiridi Sai Nagara								
3rd Cross Road		1	443.50	6.46		2865.32		
Prashanti nagar		1	217.00	6.14		1332.71		
Hegde nagar								
8th cross		1	96.69	6.00		580.14		
6th Cross		1	115.00	7.07		812.48		
Schedule B Rate	12.70			Total		29727.77	12.70	377542.67
Total				Schedule B Qty		40586.42		
14	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, ransporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects (PWD SR 21-22 Vol III Pg no 33 Item No 5.12 (C))								
Vinayaka nagar bagalur cross								
Cross Road		1	79.55	5.26	0.05	20.91		
Kuvempu Nagar								
Road		1	503.40	6.19	0.05	155.88		

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MCEHS Layout								
1st Connecting road		1	94.20	5.51	0.05	25.96		
3rd Cross Road		1	81.90	7.56	0.05	30.95		
4th Cross Road		1	75.60	7.68	0.05	29.01		
5th Cross Road		1	68.00	7.38	0.05	25.08		
6th Cross Road		1	108.10	5.58	0.05	30.14		
Extra road		2	2.82	1.50	0.05	0.42		
Beside Jakkur Govt. School								
Road cutting portions		1	1.85	1.58	0.05	0.15		
		1	2.30	1.55	0.05	0.18		
		1	1.50	1.33	0.05	0.10		
		1	1.75	1.55	0.05	0.14		
		1	1.50	1.65	0.05	0.12		
Pipe line cutting		8	0.75	4.40	0.05	1.32		
Manjunath Layout Road								
1st Cross Road		1	122.50	6.34	0.05	38.82		
2nd Cross Road		1	132.00	6.81	0.05	44.93		
3rd Cross Road		1	123.75	7.12	0.05	44.04		
Kalidasa layout								
1st Road		1	27.90	5.37	0.05	7.50		
2nd Road		1	115.20	6.10	0.05	35.15		
Extra road		1	3.20	1.00	0.05	0.16		
Bhagat singh enclave								
LHS Road 1		1	94.80	6.13	0.05	29.07		
Extra road		5	2.86	2.50	0.05	1.79		
Royal Enclave								
1st main road		1	248.95	8.63	0.05	107.46		
2nd main road		1	151.20	5.85	0.05	44.21		
5th cross road		1	287.80	5.72	0.05	82.36		
Dead end road		1	176.70	5.73	0.05	50.65		
Basavalingappa Nagara								
5th B Cross Road								
Road cutting portions		1	2.00	1.80	0.05	0.18		
		1	1.60	1.65	0.05	0.13		
		1	1.05	1.20	0.05	0.06		
		1	1.65	1.65	0.05	0.14		
		1	1.25	1.35	0.05	0.08		
		1	1.35	0.60	0.05	0.04		
		1	1.65	1.55	0.05	0.13		
		1	1.05	1.65	0.05	0.09		
Pipe line cutting		11	0.75	4.60	0.05	1.90		
4th B Cross Road								
Road cutting portions		1	2.00	1.80	0.05	0.18		
		1	1.60	1.65	0.05	0.13		
		1	0.90	1.20	0.05	0.05		
		1	1.65	1.65	0.05	0.14		
		1	1.35	1.35	0.05	0.09		
		1	0.90	0.60	0.05	0.03		
		1	1.65	1.55	0.05	0.13		
		1	0.90	1.80	0.05	0.08		
Pipe line cutting		12	0.60	4.50	0.05	1.62		
Main Road								
Road cutting portions		1	2.00	1.65	0.05	0.17		

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		1	1.35	1.50	0.05	0.10		
		1	1.35	1.20	0.05	0.08		
		1	1.25	1.55	0.05	0.10		
		1	1.05	1.65	0.05	0.09		
		7	0.90	4.30	0.05	1.35		
Pipe line cutting								
1st Cross Road RHS								
Road cutting portions		1	1.95	1.65	0.05	0.16		
		1	1.45	1.53	0.05	0.11		
		1	1.35	1.20	0.05	0.08		
		1	1.65	1.55	0.05	0.13		
		1	1.05	1.65	0.05	0.09		
		8	0.75	4.30	0.05	1.29		
Pipe line cutting								
Ro Plant road								
Road cutting portions		1	1.50	1.50	0.05	0.11		
		1	1.60	1.65	0.05	0.13		
		1	0.90	1.20	0.05	0.05		
		1	1.65	1.65	0.05	0.14		
		1	2.00	1.80	0.05	0.18		
		10	0.90	5.50	0.05	2.48		
Pipe line cutting								
6th B cross								
Road cutting portions		1	1.95	1.65	0.05	0.16		
		1	1.45	1.53	0.05	0.11		
		1	1.35	1.20	0.05	0.08		
		1	1.65	1.65	0.05	0.14		
		1	1.30	1.35	0.05	0.09		
		1	1.35	0.60	0.05	0.04		
		1	1.65	1.55	0.05	0.13		
		1	1.05	1.65	0.05	0.09		
Pipe line cutting		16	0.75	4.30	0.05	2.58		
Beside Mazid		1	61.60	5.44	0.05	16.75		
Reva College Road								
		1	339.20	5.65	0.05	95.75		
Shiridi Sai Nagara								
3rd Cross Road		1	443.50	6.46	0.05	143.27		
Prashanti nagar		1	217.00	6.14	0.05	66.64		
Hegde nagar								
8th cross		1	96.69	6.00	0.05	29.01		
6th Cross		1	115.00	6.91	0.05	39.76		
Schedule B Rate	10453.70							
Total	**Cum**			**Total**		**1213.11**	**10453.70**	**12681463.60**
				Schedule B Qty		**1769.33**		

15 Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (PWD SR 21-22 Vol III Pg no 36 Item No 5.16)

	Cum							
Vinayaka nagar bagalur cross								
Cross Road		1	79.55	5.26	0.04	16.73		
Shiva temple road								
L Type road-1		1	131.80	5.16	0.04	27.21		
L Type road-2		1	97.75	5.94	0.04	23.21		
Kuvempu Nagar		0	0.00	0.00	0.04	0.00		

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Road		1	503.40	6.19	0.04	124.70		
		0	0.00	0.00	0.04	0.00		
MCHS Layout		1	94.20	5.51	0.04	20.77		
1st Connecting road		1	125.50	5.69	0.04	28.57		
2nd Cross Road		1	81.90	7.56	0.04	24.76		
3rd Cross Road		1	75.60	7.68	0.04	23.21		
4th Cross Road		1	68.00	7.38	0.04	20.06		
5th Cross Road		1	108.10	5.58	0.04	24.11		
6th Cross Road		2	2.82	1.50	0.04	0.34		
Extra road		1	215.40	6.15	0.04	52.99		
Beside lakkur Govt. School								
Manjunath Layout Road								
1st Cross Road		1	122.50	6.34	0.04	31.06		
2nd Cross Road		1	132.00	6.81	0.04	35.94		
3rd Cross Road		1	123.75	7.12	0.04	35.23		
Kalidasa layout								
1st Road		1	27.90	5.37	0.04	6.00		
2nd Road		1	115.20	6.10	0.04	28.12		
Extra road		1	3.20	1.00	0.04	0.13		
Bhagat singh enclave								
LHS Road 1		1	94.80	6.13	0.04	23.26		
Extra road		5	2.86	2.50	0.04	1.43		
Royal Enclave								
1st main road		1	248.95	8.63	0.04	85.97		
2nd main road		1	151.20	5.85	0.04	35.37		
5th cross road		1	287.80	5.72	0.04	65.89		
Dead end road		1	176.70	5.73	0.04	40.52		
Basavalingappa Nagara								
2nd Cross Road LHS		1	70.50	4.99	0.04	14.07		
2nd Cross Road RHS		1	64.50	5.18	0.04	13.36		
3rd B Cross Road		1	82.35	5.05	0.04	16.64		
3rd A Cross Road		1	61.00	5.05	0.04	12.32		
5th B Cross Road		1	173.8	4.65	0.04	32.34		
4th B Cross Road		1	171.45	4.21	0.04	28.90		
Main Road		1	103.9	8.36	0.04	34.76		
1st Cross Road LHS		1	69.80	7.77	0.04	21.68		
1st Cross Road RHS		1	63.1	5.91	0.04	14.91		
Ro Plant road		1	153.3	5.60	0.04	34.36		
6th B cross		1	197.5	4.25	0.04	33.60		
Beside Mazid		1	61.6	5.45	0.04	13.42		
Reva College Road		1	339.20	5.65	0.04	76.60		
BSF STF Layout								
Shiridi Sai Baba temple road		1	110.80	6.54	0.04	28.99		
Reva College Roads								
Cross road 1		1	76.40	5.00	0.04	15.28		
Cross road 2		1	75.80	5.95	0.04	18.06		
Cross road 3		1	112.20	4.90	0.04	21.99		
Dutta Township								
1st Cross Road		1	131.30	6.13	0.04	32.17		
2nd Cross Road		1	129.10	6.13	0.04	31.63		
Kaveri Layout								
1st Cross Road		1	173.40	5.01	0.04	34.75		

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3rd Cross Road			1	191.60	4.66	0.04	35.70		
4th Cross Road LHS Road			1	148.50	4.66	0.04	21.75		
4th Cross Road RHS Road			1	159.50	4.97	0.04	25.34		
End Portion & Front			2	16.95	5.78	0.04	7.84		
Approach Road to 3rd Cross Road			1	18.40	5.56	0.04	4.03		
Shirdi Sai Nagara			1	443.50	6.34	0.04	112.45		
3rd Cross Road			1	217.00	6.14	0.04	53.31		
Prashanti nagar									
Hegde nagar			1	99.00	6.00	0.04	23.76		
7th cross			1	96.69	6.00	0.04	23.21		
8th cross			1	115.00	7.24	0.04	33.26		
6th Cross									
Schedule B Rate	12189.40				Total		1646.06	12189.40	20064517.65
	Cum				Schedule B Qty		1656.79		

16 Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. MORTH Specification No. 803 (PWD SR 21-22 Vol III Pg no 57 Item No 8.15)

	Sqm							
Vinayaka nagar bagalur cross								
Cross Road		2	79.55	0.10		15.91		
Shiva temple road								
L Type road-1		2	131.80	0.10		26.36		
L Type road-2		2	97.75	0.10		19.55		
Kuvempu Nagar								
Road		2	503.40	0.10		100.68		
MCHIS Layout								
1st Connecting road		2	94.20	0.10		18.84		
2nd Cross Road		2	125.50	0.10		25.10		
3rd Cross Road		2	81.90	0.10		16.38		
4th Cross Road		2	75.60	0.10		15.12		
5th Cross Road		2	68.00	0.10		13.60		
6th Cross Road		2	108.10	0.10		21.62		
Extra road		4	2.82	0.10		1.13		
Beside Jakkur Govt. School		2	215.40	0.10		43.08		
Manjunath Layout Road								
1st Cross Road		2	122.50	0.10		24.50		
2nd Cross Road		2	132.00	0.10		26.40		
3rd Cross Road		2	123.75	0.10		24.75		
Kalidasa layout								
1st Road		2	27.90	0.10		5.58		
2nd Road		2	115.20	0.10		23.04		
Extra road		2	3.20	0.10		0.64		
Bhagat singh enclave								
LHS Road 1		2	94.80	0.10		18.96		
Royal Enclave								
1st main road		2	248.95	0.10		49.79		
2nd main road		2	151.20	0.10		30.24		
5th cross road		2	287.80	0.10		57.56		
Dead end road		2	176.70	0.10		35.34		

Basavalingappa Nagara								
2nd Cross Road LHS		2	70.50	0.10		14.10		
2nd Cross Road RHS		2	64.50	0.10		12.90		
3rd B Cross Road		2	82.35	0.10		16.47		
3rd A Cross Road		2	61.00	0.10		12.20		
5th B Cross Road		2	173.80	0.10		34.76		
4th B Cross Road		2	171.45	0.10		34.29		
Main Road		2	103.90	0.10		20.78		
1st Cross Road LHS		2	69.80	0.10		13.96		
1st Cross Road RHS		2	63.10	0.10		12.62		
Ro Plant road		2	153.30	0.10		30.66		
6th B cross		2	197.50	0.10		39.50		
Beside Mazid		2	61.60	0.10		12.32		
Reva College Road		2	339.20	0.10		67.84		
BSF STF Layout								
Shiridi Sai Baba temple road		2	110.80	0.10		22.16		
Reva College Roads								
Cross road 1		2	76.40	0.10		15.28		
Cross road 2		2	75.80	0.10		15.16		
Cross road 3		2	112.20	0.10		22.44		
Dutta Township								
1st Cross Road		2	131.30	0.10		26.26		
2nd Cross Road		2	129.10	0.10		25.82		
Kaveri Layout								
1st Cross Road		2	173.40	0.10		34.68		
3rd Cross Road		2	191.60	0.10		38.32		
4th Cross Road LHS Road		2	148.50	0.10		29.70		
4th Cross Road RHS Road		2	159.50	0.10		31.90		
End Portion & Front		4	16.95	0.10		6.78		
Approach Road to 3rd Cross Road		2	18.10	0.10		3.62		
Shiridi Sai Nagara								
3rd Cross Road		2	443.50	0.10		88.70		
Prashanti nagar		2	217.00	0.10		43.40		
Hegde nagar								
7th cross		2	99.00	0.10		19.80		
8th cross		2	96.69	0.10		19.34		
6th Cross		2	108.85	0.10		21.77		
Schedule B Rate	505.30							
	Sqm		Total			1401.70		
			Schedule B Qty			1385.52	505.30	700103.26
			Upto 125%			16.18	505.30	8174.57
17	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 (M 5.0) Using 40 mm nominal size graded crushed coarse aggregates(Specification No. 2.1.1 PWD SR 2021-22 Vol -I P.No.50)								
	Cum							
	Dwaraka nagar bagalur cross, CC ROAD							
	2nd Cross Road		1	176.80	3.93	0.15	104.20	

1st Cross Road		1	33.50	3.10	0.15	15.56		
Cross Road		1	54.00	6.18	0.15	50.05		
Kattigenahalli Cross road 1		1	33.20	5.80	0.15	28.89		
Kattigenahalli Cross road 2		1	42.20	4.66	0.15	29.48		
Basavalingappa Nagara								
Cross Road 1		1	94.80	1.25	0.15	17.78		
Cross Road 2		1	93.80	1.23	0.15	17.34		
Cross Road 3		1	64.00	1.25	0.15	12.03		
Cross Road 4		1	23.80	1.48	0.15	5.27		
Cross Road 5		1	57.00	2.96	0.15	25.27		
Cross Road 6		1	27.90	2.33	0.15	9.75		
Cross Road 7		1	77.00	1.25	0.15	14.48		
Cross Road 8		1	24.20	1.49	0.15	5.41		
Cross Road 9		1	23.90	1.53	0.15	5.50		
Telecom Layout		1	59.60	7.00	0.15	62.59		
Kattigenahalli								
Cross Road 1		1	67.75	1.47	0.15	14.93		
Cross Road 2		1	74.70	1.52	0.15	17.04		
Cross Road 3		1	154.90	1.43	0.15	33.30		
Cross Road 4		1	25.00	2.73	0.15	10.22		
Cross Road 5		1	123.40	1.35	0.15	24.95		
Cross Road 6		1	69.20	1.39	0.15	14.42		
Cross Road 7		1	23.30	1.12	0.15	3.90		
Cross Road 8		1	59.80	4.70	0.15	42.17		
Schedule B Rate	5260.10							
Total	Cum		Total			564.52	5260.10	2969414.87
			Schedule B Qty			634.28		

18 Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete MORTH Specification No.1501 . as per the directions of the Engineer-in-charge of the work. (PWD SR 2021-22 Vol -III Pg 138 item no 20.29)

	Cum							
New CC Road								
Dwaraka nagar bagalur cross								
2nd Cross Road		1	176.80	3.93	0.15	104.12		
1st Cross Road		1	33.50	3.10	0.15	15.56		
Cross Road		1	54.00	6.18	0.15	50.05		
Kattigenahalli Cross road 1		1	33.20	5.80	0.15	28.89		
Kattigenahalli Cross road 2		1	42.20	4.66	0.15	29.48		
Basavalingappa Nagara								
Cross Road 1		1	94.80	3.15	0.15	44.81		
Cross Road 2		1	93.80	2.39	0.15	33.59		
Cross Road 3		1	64.00	1.85	0.15	17.80		
Cross Road 4		1	23.80	2.96	0.15	10.55		
Cross Road 5		1	57.00	2.94	0.15	25.11		
Cross Road 6		1	27.90	2.33	0.15	9.75		

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	Cross Road 7		1	77.00	3.24	0.15	37.38		
	Cross Road 8		1	24.20	3.30	0.15	11.96		
	Cross Road 9		1	23.90	3.35	0.15	12.01		
	Telecom Layout		1	59.60	7.00	0.15	62.59		
	Kattigenahalli								
	Cross Road 1		1	67.75	4.55	0.15	46.24		
	Cross Road 2		1	74.70	4.10	0.15	45.98		
	Cross Road 3		1	154.90	4.19	0.15	97.44		
	Cross Road 4		1	25.00	2.73	0.15	10.22		
	Cross Road 5		1	123.40	4.88	0.15	90.34		
	Cross Road 6		1	69.20	3.68	0.15	38.19		
	Cross Road 7		1	23.30	4.32	0.15	15.09		
	Cross Road 8		1	59.80	3.67	0.15	32.96		
	Schedule B Rate	**7227.40**							
	Total			Total			**870.09**	**7227.40**	**6288524.49**
				Schedule B Qty			**1062.30**		
19	**Cost of Haulage** Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)								
	Qty frm Item No-1	**t.Km**		3207.92	1.28		4106.14		
	Qty frm Item No-10			9034.82	1.28		11564.57		
	Schedule B Rate	**101.50**							
				Total			**15670.71**		
				Schedule B Qty			**13886.48**	**101.50**	**1409477.72**
				Upto 125%			**1784.23**	**101.50**	**181099.35**

	Sub-Total for CSR 2021-22	79790781.85
	GST Charges (18% of estimated cost)	14362341.30
	Grand Total Amount Rs.	94153122.85

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The estimate is based on C.S.R of 2018-2019, PWD 2021-2022 Issue Rates and Data Rates.and Approved Data Rate of Bangalore
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other Programs or Grants

Assistant Engineer Ward 05

Assistant Engineer Ward 06

Assistant Executive Engineer
Byatarayanapura Sub-Division
B.B.M.P

Executive Engineer
Byatarayanapura - Division
B.B.M.P

SHIPRAMA Consulting Engineers Pvt. Ltd. Bangalore

Technical Sanction
Accorded For Rs. 9,41,53,122.85
Head of A/C 2384 3
CER NO : 64 Dt: 14.03.2023